

		POTENTIAL HAZARDOUS WASTE SITE DISPOSITION		REGION 10	SITE NUMBER WAD009286881	
File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.						
I. SITE IDENTIFICATION						
A. SITE NAME Ace Galvanizing		B. STREET 429 S. 96th				
C. CITY Seattle		D. STATE WA		E. ZIP CODE 98108		
II. TENTATIVE DISPOSITION						
Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.						
RECOMMENDATION		MARK 'X'	EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED -- NO HAZARD						
B. INVESTIGATIVE ACTION(S) NEEDED (If yes, complete Section III.)		X		X	Metro	
C. REMEDIAL ACTION NEEDED (If yes, complete Section IV.)						
D. ENFORCEMENT ACTION NEEDED (if yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)						
E. RATIONALE FOR DISPOSITION / SOURCES OF INFORMATION Continue monitoring by WDOE and Metro to insure facility maintains proper practices and to reduce chance of spillage. WDOE/Metro lead.						
F. INDICATE THE ESTIMATED DATE OF FINAL DISPOSITION (mo., day, & yr.)			G. IF A CASE DEVELOPMENT PLAN IS NECESSARY, INDICATE THE ESTIMATED DATE ON WHICH THE PLAN WILL BE DEVELOPED (mo., day, & yr.)			
H. PREPARER INFORMATION						
1. NAME Debbie Flood		2. TELEPHONE NUMBER 442-2722		3. DATE (mo., day, & yr.) 9-28-84		
III. INVESTIGATIVE ACTIVITY NEEDED						
A. IDENTIFY ADDITIONAL INFORMATION NEEDED TO ACHIEVE A FINAL DISPOSITION.						
B. PROPOSED INVESTIGATIVE ACTIVITY (Detailed Information)						
1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO.	2. SCHEDULED DATE OF ACTION (mo., day, & yr.)	3. TO BE PERFORMED BY (EPA, Contractor, State, etc.)	4. ESTIMATED MANHOURS	5. REMARKS		
a. TYPE OF SITE INSPECTION						
(1) _____						
(2) _____						
(3) _____						
b. TYPE OF MONITORING						
(1) _____						
(2) _____						
c. TYPE OF SAMPLING						
(1) _____						
(2) _____						

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III. INVESTIGATIVE ACTIVITY NEEDED and PART B-PROPOSED INVESTIGATIVE ACTIVITY (Continued)					
d. TYPE OF LAB ANALYSIS					
(1)					
(2)					
e. OTHER (specify)					
(1)					
(2)					
C. ELABORATE ON ANY OF THE INFORMATION PROVIDED IN PART B (on front & above) AS NEEDED TO IDENTIFY ADDITIONAL INVESTIGATIVE WORK.					
D. ESTIMATED MANHOURS BY ACTION AGENCY					
1. ACTION AGENCY		2. TOTAL ESTIMATED MANHOURS FOR INVESTIGATIVE ACTIVITIES		2. TOTAL ESTIMATED MANHOURS FOR INVESTIGATIVE ACTIVITIES	
a. EPA				b. STATE	
c. EPA CONTRACTOR				d. OTHER (specify)	
IV. REMEDIAL ACTIONS					
A. SHORT TERM/EMERGENCY STRATEGY (On Site & Off-Site): List all emergency actions needed to bring site under immediate control, e.g., restrict access, provide alternate water supply, etc. See instructions for a list of Key Words for each of the actions to be used in the space below.					
1. ACTION	2. EST. START DATE (mo, day, & yr)	3. EST. END DATE (mo, day, & yr)	4. ACTION AGENCY (EPA, State, Private Party)	5. ESTIMATED COST	6. SPECIFY 311 OR OTHER ACTION; INDICATE THE MAGNITUDE OF THE WORK REQUIRED
				\$	
				\$	
				\$	
				\$	
				\$	
				\$	
				\$	
B. LONG TERM STRATEGY (On Site & Off-Site): List all long term solutions, e.g., excavation, removal, ground water monitoring wells, etc. See instructions for a list of Key Words for each of the actions to be used in the spaces below.					
1. ACTION	2. EST. START DATE (mo, day, & yr)	3. EST. END DATE (mo, day, & yr)	4. ACTION AGENCY (EPA, State, Private Party)	5. ESTIMATED COST	6. SPECIFY 311 OR OTHER ACTION; INDICATE THE MAGNITUDE OF THE WORK REQUIRED
				\$	
				\$	
				\$	
				\$	
				\$	
				\$	
C. ESTIMATED MANHOURS AND COST BY ACTION AGENCY					
1. ACTION AGENCY	2. TOTAL EST. MANHOURS FOR REMEDIAL ACTIVITIES	3. TOTAL EST. COST FOR REMEDIAL ACTIVITIES	1. ACTION AGENCY	2. TOTAL EST. MANHOURS FOR REMEDIAL ACTIVITIES	3. TOTAL EST. COST FOR REMEDIAL ACTIVITIES
a. EPA			b. STATE		
c. PRIVATE PARTIES			d. OTHER (specify)		

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

Summary Memorandum

WA D009286881
Site ID:
County. King
Priority Assessment: Low
Backlog Red. Cat.:
Date/Revised: 09/15/84

Name and Location:

Ace Galvanizing, Inc.
429 S. 96th
Seattle, WA 98108

Contact: David Breiwick
Telephone: (206) 762-0330
Site Status: (X) Active () Inactive () Unknown

Site Description/TSD Activities:

Facility is a zinc galvanizer with a long history of poor practices and violations of NPDES permits and METRO permits. Facility used to discharge into stream tributary of Duwamish River, then discharged into METRO sewers, and now apparently has a closed system. However, storm drain gets contaminated with zinc in runoff from rainwater.

Waste Types/Quantities/Characteristics:

Major wastes have been zinc-laden wastewaters (up to 220 ppm) and deliberate spills of acids and cyanides. These wastes have been discharged in unknown quantities into Duwamish River and METRO sewer system. Zinc sampling has revealed water of low pH, probably allowing zinc to be soluble and thus to be carried in water.

Physical/Social Environment:

Site is in a warehouse complex in south Seattle about 1 mile west of Duwamish Waterway. It is fenced and gated and some of the property is paved. There are storm drains outside building. Neither groundwater nor surface water is used for drinking within a 3-mile radius of site.

Pollutant Mobilization/Pathways/Risk:

Major pathway for movement appears now to be spills to METRO sewer system. Major risk is damage to sewer lines and treatment plant. Little apparent risk to population. Old discharges to surface water have probably resulted in elevated zinc levels in sediments of the Duwamish Waterway and its tributary into which company discharged.

Priority Assessment/Backlog Reduction Category:

Low

Followup Recommendations:

Continued monitoring and, if necessary, enforcement action should be undertaken. Site inspections by both WDOE and METRO appear to be necessary to insure that facility maintains proper practices and to reduce chance of spillage of materials to sewers. Sampling of storm drain may be warranted following site inspection after first fall rains to see if contamination is occurring.

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT Part 1 - Site Information and Assessment						I. IDENTIFICATION	
						01 State WA	02 Site Number D009286881
II. SITE NAME AND LOCATION							
01 Site Name (legal, common, or descriptive name of site) Ace Galvanizing Inc.					02 Street, Route No., or Specific Location Identifier 429 S. 96th St.		
03 City Seattle					04 State WA	05 Zip Code 98108	06 County King
09 Coordinates Latitude 473100.0 Longitude 1221937.0					07 County Code 033		
					08 Cong Dist 07		
Section/Township/Range Sec. 32, T24N, R4E, WM							
10 Directions to Site (starting from nearest public road)							
III. RESPONSIBLE PARTIES							
01 Owner (if known) D. A. Breiwick					02 Street (business, mailing, residential) 429 S. 96th St.		
03 City Seattle					04 State WA	05 Zip Code 98108	06 Telephone Number (206) 7620330
07 Operator (if known and different from owner) D. A. Breiwick					08 Street (business, mailing, residential) 429 S. 96th St.		
09 City Seattle					10 State WA	11 Zip Code 98108	12 Telephone Number (206) 7620330
13 Type of Ownership (check one) <input checked="" type="checkbox"/> A. Private <input type="checkbox"/> B. Federal: <input type="checkbox"/> C. State <input type="checkbox"/> D. County <input type="checkbox"/> E. Municipal <input type="checkbox"/> F. Other: <input type="checkbox"/> G. Unknown							
14 Owner/Operator Notification on File (check all that apply) <input type="checkbox"/> A. RCRA 3001, Date Rec'd: / / <input type="checkbox"/> B. Uncontrolled Waste Site (CERCLA 103c), Date Rec'd: / / <input checked="" type="checkbox"/> C. None							
IV. CHARACTERIZATION OF POTENTIAL HAZARD							
01 On Site Inspection By (check all that apply): <input checked="" type="checkbox"/> Yes, Date: 79 / -- / 84 <input checked="" type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA Contractor <input checked="" type="checkbox"/> C. State <input checked="" type="checkbox"/> D. Other Contractor <input type="checkbox"/> No <input type="checkbox"/> E. Local Health Official <input checked="" type="checkbox"/> F. Other: Ecol & Environ Contractors Name(s): JRB Associates							
02 Site Status (check one) <input checked="" type="checkbox"/> A. Active <input type="checkbox"/> B. Inactive <input type="checkbox"/> C. Unknown				03 Years of Operation beginning year ending year 60's Pres <input type="checkbox"/> Unknown			
04 Description of Substances Possibly Present, Known, or Alleged Zinc galvanizing involves the use of sulfuric acid solution, hydrochloric acid solution, caustic solution, and molten zinc.							
05 Description of Potential Hazard to Environment and/or Population Rain runoff from the plant goes into the storm drain which discharges into a tributary of Duwamish River. The runoff might contain high levels of zinc and the water is acidic.							
V. PRIORITY ASSESSMENT							
01 Priority for Inspection (check one; if high or medium is checked, complete Part 2 and Part 3) <input type="checkbox"/> A. High (inspection required promptly) <input type="checkbox"/> B. Medium (inspection required) <input checked="" type="checkbox"/> C. Low (inspect on time available basis) <input type="checkbox"/> D. None (no further action needed complete current disposition form)							
VI. INFORMATION AVAILABLE FROM							
01 Contact Ned Therien			02 Of (agency/organization) WDOE			03 Telephone Number (206) 4596352	
04 Person Responsible for Assessment Donald Weston			05 Agency N/A		06 Organization JRB Associates		07 Telephone Number (206) 7477899
					08 Date 09 / 14 / 84		

D009286881

☐ M. Not Applicable

Seattle METRO Files (D. Hilderbrand, Pers. Comm.); WDOE Files;
EPA/ERRIS Files

**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT**
Part 3 - Description of Hazardous Conditions & Incidents

I. IDENTIFICATION

01 State WA	02 Site Number D009286881
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II. HAZARDOUS CONDITIONS AND INCIDENTS

01 (<input checked="" type="checkbox"/>) A. Groundwater Contamination	02 () Observed (Date:)	(<input checked="" type="checkbox"/>) Potential () Alleged
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03 Population Potentially Affected: < 20	04 Narrative Description No evidence of groundwater contamination. Aquifer is in unconsolidated glacial drift with lenses of till. Depth to groundwater 10-25 ft.
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01 (<input checked="" type="checkbox"/>) B. Surface Water Contamination	02 (<input checked="" type="checkbox"/>) Observed (Date:)	() Potential () Alleged
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03 Population Potentially Affected: 0	04 Narrative Description Pre-1978 wastes had been discharged to drainage ditch leading to Duwamish River--practice halted as a result of fines and regulatory action. Only current threat is the contaminated runoff reaching Duwamish River 1 mile E of site. No use of SW for drinking supplies.
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01 (<input checked="" type="checkbox"/>) C. Contamination of Air	02 () Observed (Date:)	() Potential () Alleged
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03 Population Potentially Affected: 0	04 Narrative Description Not likely. Ash from the molten zinc tank is collected in a baghouse and is reused. Resident population of 10,000 within one mile. Transient population is 3,000.
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01 (<input checked="" type="checkbox"/>) D. Fire/Explosive Conditions	02 () Observed (Date:)	() Potential () Alleged
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03 Population Potentially Affected: 0	04 Narrative Description No known certified fire threat.
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01 (<input checked="" type="checkbox"/>) E. Direct Contact	02 () Observed (Date:)	() Potential () Alleged
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03 Population Potentially Affected: 0	04 Narrative Description Entire plant is fenced and gated. Only potential threat would be to on-site workers handling hazardous material.
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01 (<input checked="" type="checkbox"/>) F. Contamination of Soil	02 () Observed (Date:)	(<input checked="" type="checkbox"/>) Potential () Alleged
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03 Area Potentially Affected (acres): 0	04 Narrative Description None known. Owner believes cyanide waste waters may have been dumped on plant grounds in the past (pre-1970). Soils are permeable sands and gravels.
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01 (<input checked="" type="checkbox"/>) G. Drinking Water Contamination	02 () Observed (Date:)	(<input checked="" type="checkbox"/>) Potential () Alleged
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03 Population Potentially Affected: < 20	04 Narrative Description Only use of surface or groundwater for drinking supplies within 3 miles is a single well approximately 1 mile SE serving 10 to 20 people. All other residences are on municipal water.
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01 (<input checked="" type="checkbox"/>) H. Worker Exposure/Injury	02 () Observed (Date:)	(<input checked="" type="checkbox"/>) Potential () Alleged
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03 Workers Potentially Affected: < 50	04 Narrative Description No evidence of worker exposure/injury but potential exists given type of materials used at plant (acids, caustic).
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01 (<input checked="" type="checkbox"/>) I. Population Exposure/Injury	02 () Observed (Date:)	(<input checked="" type="checkbox"/>) Potential () Alleged
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03 Population Potentially Affected: < 50	04 Narrative Description Little or no threat to population either by drinking or direct contact. Only potential hazard is to on-site workers through direct contact with materials.
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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT Part 3 - Description of Hazardous Conditions & Incidents		I. IDENTIFICATION	
		01 State	02 Site Number
		WA	D009286881
II. HAZARDOUS CONDITIONS AND INCIDENTS (continued)			
01 <input checked="" type="checkbox"/> J. Damage to Flora	02 <input type="checkbox"/> Observed (Date:)	<input checked="" type="checkbox"/> Potential	<input type="checkbox"/> Alleged
04 Narrative Description Field investigation report of 11/14/79 reported dying vegetation on plant property. Evidence not sufficient to determine cause. However, <u>improper waste disposal onto ground could cause damage to vegetation.</u>			
01 <input checked="" type="checkbox"/> K. Damage to Fauna	02 <input type="checkbox"/> Observed (Date:)	<input type="checkbox"/> Potential	<input type="checkbox"/> Alleged
04 Narrative Description (include name(s) of species) None known or suspected.			
01 <input checked="" type="checkbox"/> L. Contamination of Food Chain	02 <input type="checkbox"/> Observed (Date:)	<input type="checkbox"/> Potential	<input type="checkbox"/> Alleged
04 Narrative Description None known or suspected.			
01 <input checked="" type="checkbox"/> M. Unstable Containment of Wastes (spills/runoff/standing liquids/leaking drums)	02 <input checked="" type="checkbox"/> Observed (Date: 11/14/79)	<input type="checkbox"/> Potential	<input type="checkbox"/> Alleged
03 Population Potentially Affected: 0 04 Narrative Description Rainwater sampled in manhole in front of plant and analyzed by WDOE contains 20-30 ppm zinc initially and drops to 1 ppm with continued rains.			
01 <input checked="" type="checkbox"/> N. Damage to Offsite Property	02 <input type="checkbox"/> Observed (Date:)	<input type="checkbox"/> Potential	<input type="checkbox"/> Alleged
04 Narrative Description None known or suspected.			
01 <input checked="" type="checkbox"/> O. Contamination of Sewers, Storm Drains, WWTPs	02 <input checked="" type="checkbox"/> Observed (Date: 11/14/79)	<input type="checkbox"/> Potential	<input type="checkbox"/> Alleged
04 Narrative Description No current discharge of hazardous material to METRO sanitary sewer system. Storm system is contaminated as noted above.			
01 <input checked="" type="checkbox"/> P. Illegal/Unauthorized Dumping	02 <input type="checkbox"/> Observed (Date:)	<input type="checkbox"/> Potential	<input checked="" type="checkbox"/> Alleged
04 Narrative Description Plant owner believes cyanide waste waters have been dumped in the past. The use of cyanide was discontinued in approximately 1970.			
05 Description of Any Other Known, Potential, or Alleged Hazards None known.			
III. TOTAL POPULATION POTENTIALLY AFFECTED: < 50			
IV. COMMENTS			
Site has a history of improper disposal practices and has been fined for discharges to the Duwamish River. Practices have improved in recent years but continued inspections by WDOE are recommended.			
V. SOURCES OF INFORMATION (cite specific references: state files, reports, etc.)			
US Census Bureau of Statistics, 1980; DSHS computer file; PSCOG 1984 - Population and Employment Forecasts; WDOE Files; Water Supply Bull. #20; EPA/ERRIS Files; USGS Seattle S Quad (1973); Mrs. Ben Skinner, well owner, pers. comm. (9/14/84)			